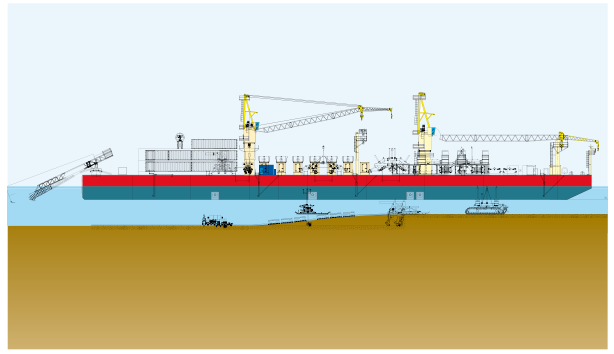


# CASTORO 16







## **HULL TYPE**

Box type Pontoon

## **SERVICE**

Caspian Sea shallow water service with post-trenching and backfilling functions

## **CLASSIFICATION**

RMRS \*KE R2-RSN Trenching Barge

## **FLAG**

Kazakhstan

## **DIMENSIONS**

Length: 135.6 m

Breadth: 27 m

Depth: 6.5 m

## **DECK LOADS**

10 t/sq.m in the middle part and

5 t/sq.m in the bow and stern part

## **DRAFT**

Minimum water depth in trenching conditions: 1.5 m

## **MOORING SYSTEM**

4 double drum + 2 single drum

anchor winches with 25 t

pull and 35 t max. breaking load;

400 m of 60 mm diameter synthetic

rope 10 anchors, 2.5 t weight each

## **POWER GENERATION**

3 main diesel generators 800 kW,

400 V, 50 Hz each

## **BUNKER CAPACITY**

Diesel oil storage tank: 425 cu.m

Fresh water tank: 324 cu.m

Dirty water: 525 cu.m

Sewage: 615 cu.m

Ballast tank: 3,968 cu.m

## **NAVIGATION AND COMMUNICATION**

Telephone satellite communication VSAT

2 DGPS, Radar, Radio,

Gyrocompass, Echosounder

## **CREW FACILITIES**

Max. 132 persons in double ad quad

cabin arrangement /full AC

Canteen for 48 seats

## **LIFTING FACILITIES**

Main pedestral crane capacity:

80 ton @ 25 m

Aux pedestral crane capacity:

35 ton @ 15 m

## **TRENCHING SYSTEM**

7 diesel hydraulic power units

850 kW each

1 electro hydraulic power unit 1,100 kW

## **TRENCHING EQUIPMENT**

1 pulling unit, 1 trenching sled

1 suction unit, 1 remedial machine

Emergency Suction Unit (UDM)

Backfilling arm with vertical and

horizontal movements 9 Buoys

## **MONITORING SYSTEM**

2 stations for pipe burial depth

monitoring, 2 stations measuring

mixture flow rate DGPS for machine

positioning

## **OTHER FACILITIES**

Water maker (fresh water generator):

Tasman Sea 72 m<sup>3</sup> / day